

Thursday, June 10, 1999

FUSE satellite to study primordial chemical relics of universe evolution



STS-93 crew includes first female commander, Eileen Collins

▲ **NASA's Far Ultraviolet Spectroscopic Explorer (FUSE) satellite**, developed by The Johns Hopkins University under contract to Goddard Space Flight Center, Greenbelt, Md., is scheduled to be launched aboard a Boeing Delta II rocket June 23 at Launch Pad 17A, Cape Canaveral Air Station. FUSE will investigate the origin and evolution of the lightest elements in the universe — hydrogen and deuterium. In addition, the FUSE satellite will examine the forces and process involved in the evolution of the galaxies, stars and planetary systems by investigating light in the far ultraviolet portion of the electromagnetic spectrum.

▲ **Space Shuttle Update: The launch of STS-93**, and the Chandra X-ray Observatory, is still under review but targeted no earlier than July 20 at 12:36 a.m. The crew of five will be commanded by Eileen Collins, the first woman to hold that position. The remaining crew members are Pilot Jeff Ashby and Mission Specialists Steve Hawley, Catherine Coleman and Michel Tognini of France, representing the Centre National d'Etudes Spatiales (CNES).

◆ **More Apollo 11:** A new Web site has been developed, devoted to the 30th anniversary of Apollo 11. It is available at <http://www.hq.nasa.gov/office/pao/History/ap11ann/eagle.html> (or if you have a Netscape browser before version 4.0, go to <http://www.hq.nasa.gov/office/pao/History/ap11ann/introduction.htm>). This site includes a variety of newly available information such as interviews with the three crew members and interesting historical documents. The site also includes links to other useful pages on Apollo, both in- and outside NASA.

◆ **Road Alert:** Paving of Phillips Parkway northbound lanes from the South Gate to Titan III Road will occur through June 15, and paving of the southbound lanes will occur June 15-18. Renovation work will occur at the Skid Strip Rd./Phillips Parkway intersection June 21-30, and the Titan III Rd./Phillips Parkway intersection July 1-16. There will be impacts to the flow of traffic in these areas between the hours of 8:30 a.m. and 3 p.m. daily. Please use caution in these areas while the repairs are being made.



◆ **Reminder:** The Shuttle Shootout (three men and a lady) scramble format golf tournament is being held on Friday, June 25, at The Bent Oak Golf Club, starting at 1:30 p.m. For more information, contact Louie Garcia, NN-M1, 867-6196.

◆ **Did You Know?** **Space Shuttle environmental control technology** led to the development of the Barorator which continuously measures the atmospheric pressure and calculates the instantaneous rate of change. It is used commercially for predicting the onset of severe storms or tornadoes.

KSC Countdown is published every Tuesday and Thursday. Deadlines: 10 a.m. the day before.

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